

**NOTES**

1. FOR LEGEND, ABBREVIATIONS, AND GENERAL NOTES, SEE DWG. E-1. FOR INSTALLATION DETAILS, SEE DWG. E-2. FOR WIRING DIAGRAMS, SEE DWG. E-3.
2. CONTRACTOR SHALL REMOVE EXISTING SMOKE DETECTORS ONLY AFTER INSTALLED DEVICES ARE OPERATIONAL.
3. FOR REMOVAL AND PATCHING PLAN DETAILS (P-1, P-2, P-3 & P-4), SEE DWG. A-1.
4. FOR RETURN AIR SMOKE DETECTORS ARRANGEMENT AND NOTES, SEE DWG. M-1.
5. SINCE FIRE ALARM CIRCUIT LENGTH IS CRITICAL, ROUTING AND INSTALLATION OF ALL FIRE ALARM CIRCUITS SHALL BE AS SHOWN ON DRAWING.
6. DISCONNECT AND ABANDON EXISTING SMOKE DETECTOR CIRCUITS IN CEILING. TAPE ENDS OF ABANDONED CONDUCTORS AND TAG AS ABANDONED. THIS WORK SHALL BE DONE IN THE PRESENCE OF THE ENGINEER.
7. COORDINATE CONDUIT PENETRATION OF TENANT FIRE ALARM CONTROL PANEL WITH TENANT FIRE ALARM CONTROL PANEL SERVICE VENDOR THROUGH THE ENGINEER.

*Full*  
 ENGINEERING PROGRAM MANAGER  
 CHIEF ELECTRICAL ENGINEER

1	02/29/99	AS-BID	
No.	Date	Revision	Approved

ENGINEERING DEPARTMENT  
 DESIGN DIVISION

WORLD  
 TRADE  
 CENTER

**ELECTRICAL**

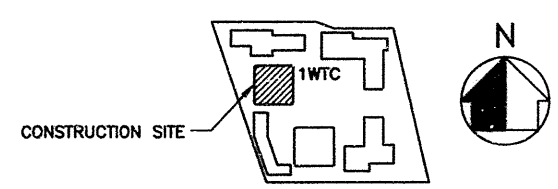
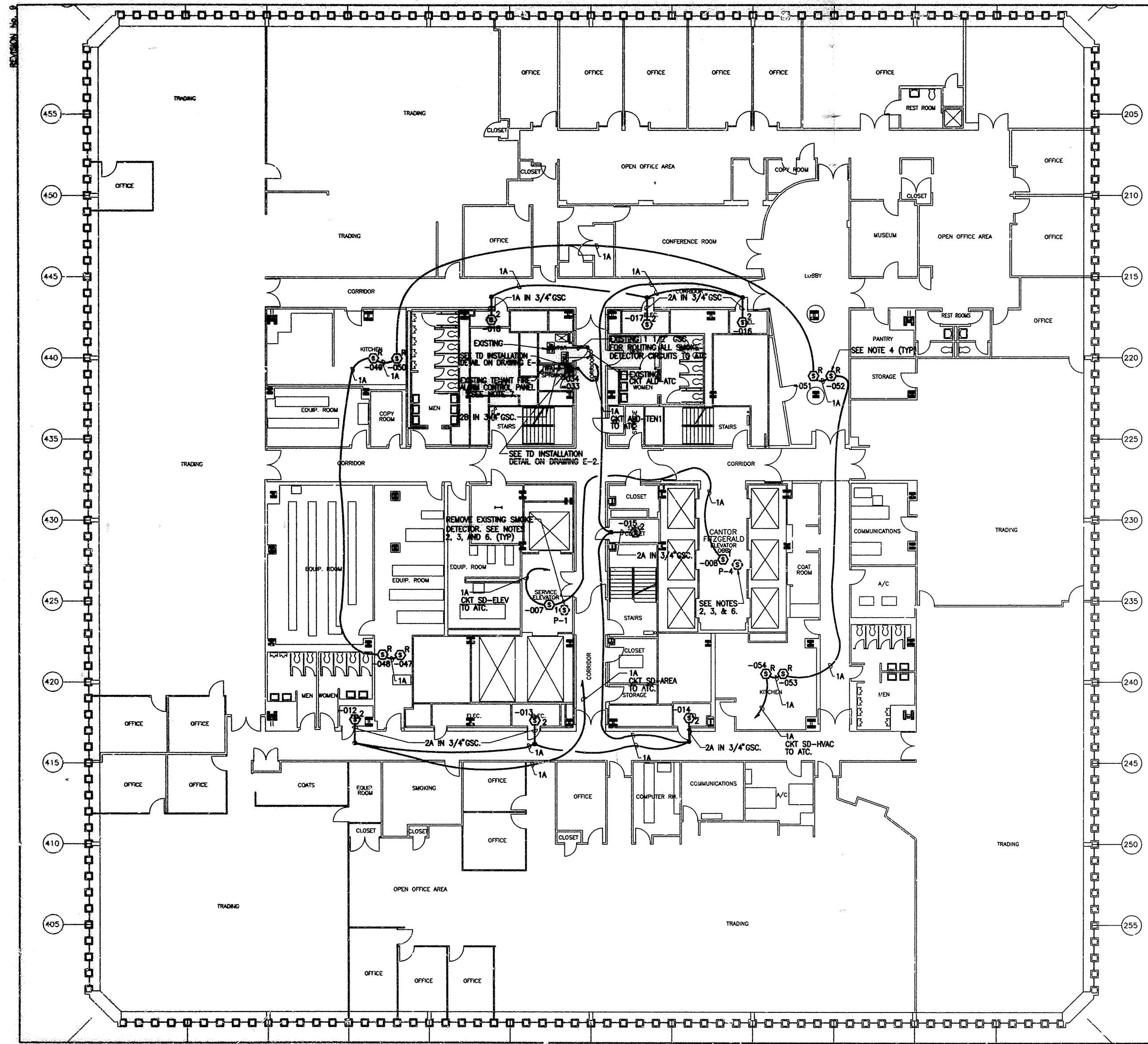
Title  
 FIRE ALARM SYSTEM  
 DEVICE UPGRADE  
 PHASE III  
 1 WORLD TRADE CENTER  
 CONTRACT NO. 3  
 105th FLOOR  
 SMOKE DETECTOR  
 INSTALLATION AND  
 REMOVAL PLAN

This drawing subject to conditions in Contract. All inventions, ideas, designs and methods herein are reserved to Port Authority and may not be used without its written consent.

S. FELDSTEIN F. BROWN A.S.  
 Designed by Drawn by Checked by

AUGUST 9, 1999  
 Date

WTC-881.176 E-105-3  
 Contract Number Drawing Number



KEY PLAN

0 12 24  
 SCALE IN FEET